

KS 200 ECO

PRODUCT DESCRIPTION

PRE-POLYMER DIAZO photoemulsion for screen printing

APPLICATION FIELD

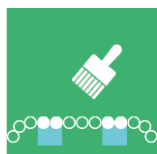
Photoemulsion suitable for printing with:

- Water based inks and plastisol
- Solvent and UV based inks

CARATTERISTICHE

- Colour: blue
- Solid Content: 35%
- Viscosity: around 5.000 cps (25°C)
- Suggested Mesh from 43 Th/cm to 150 Th/cm
- • Excellent chemical/mechanical strength
- • Good contour definition
- • Free of solvents

APPLICATION PROCESS



FABRIC PREPARATION

New fabric: degrease with products of the Cleanser.

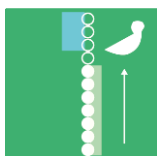
Recovered fabrics: operate in advance with Polistrip series product and then with Cleanser product series.



SENSIBILIZZAZIONE

Add Diazo Micro HD Powder directly into the emulsion, without pre-dissolution in demineralized water. Mix very well and let stand for at least two hours before use. It is advisable to sensitize the product the evening before to allow the complete disaeration.

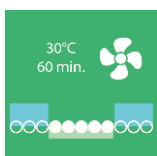
The mixture has a four-week pot-life, if stored in a cool place (4-10 °C) and away from light.



APPLICATION

The application process depends on the type of the mesh used

For example, with 62 thread/cm fabric, it is recommended to apply one hand on the print side and one hand on the doctor blade side (following the order indicated).



DRYING

After application, dry the frames in a horizontal position with the press side facing down in a ventilated oven for about 60 minutes. It is recommended to dry at a temperature between 30 °C and 40 °C. Too high temperatures may compromise the development of the screen. Drying times change depending on the amount of the applied emulsion.

EXPOSURE

The exposure time is influenced by:

- Type and quality of light source
- From the thickness of the photoemulsion (EOM)

We recommend the use of a metal-halogen lamp UV 5000 W.

For example:

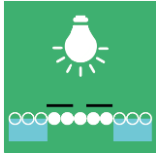
Mesh = 55 /cm

Lamp = metal-halogen UV 5000 W

Distance = 140 cm

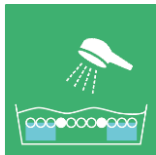
Exposure time = 80-90 seconds

Exposure testing is recommended to find the correct time.



DEVELOPMENT

After the exposure, wet the screen internally and externally, leave the painting dry for a few moments and then rinse with a water jet on the printing side until the details of the drawing are completely opened. If possible, it is recommended to immerse the framework in water at room temperature for about five minutes before development.



ETOUCHES

Retouches can be made by the sensitized product. Repeat the exposure to the light



RECOVERY

Screens can be re-used only before any hardening with Polistrip product series



HARDENING

KS 200 ECO does not require any hardening. But in case of much printing stress. It can be hardened by means of cold chemical hardening treatment with Catalyst (see technical data sheet) The emulsion becomes then permanent





SPECIAL RECOMMENDATIONS

- Always test the characteristics of the product before starting a production.
- Always use the product in a yellow light protected environment.
- Sensitized emulsion when stored at a temperature between 4 ° C- 10 ° has a pot life of about 4-6 weeks.

The emulsion stored at a maximum temperature of 25 °C has a duration of about one year

PACKAGING

M228100EK005000	5 Kg
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IMPORTANT INFORMATION NOTE

The information contained in this data sheet is not to be considered exhaustive, but anyone who uses the product for any purpose other than that specifically recommended on this document without a precise written confirmation from us, He does it at his own risk.

Although we strive to ensure that all the advice given here about the product is correct, we do not have any control over the quality and conditions of the support, or the multiple factors that may affect the use and application of the product.

Therefore, except for specific written agreements, we do not accept any responsibility - of quality nature and in whatever way it occurs - for the performance of the product, nor for any loss or damage resulting from the unauthorized use of the product.

The information contained in this document is subject to periodic reviews, based on experience and our policy of constant product improvement.